

IN THE CLAIMS

1. (Currently Amended) A method for conveying dishes in a tunnel dishwasher, characterized by comprising:

-using at least two conveyors ($5a, 5b$), the first of the conveyors ($5a$) moving forwards (F) at the same time as the second of the conveyors ($5b$) moves backwards (R), and vice versa; and by

moving the conveyors ($5a, 5b$), alternately, forwards (F), whereby the dishes (11) to be washed move along with the forward-moving (F)-conveyor ($5a, 5b$)-relative to the washing zones ($2, 3, 4$).

2. (Currently Amended) A method according to claim 1, characterized by that wherein the dishes (11) to be washed being are arranged in washing racks (10), in which they adapted to travel through the tunnel dishwasher (1), carried by the conveyors ($5a, 5b$).

3. (Currently Amended) A tunnel dishwasher, comprising:

-at least one washing zone; ($2, 3, 4$) and
a first conveyor, ($5a$) arranged to move alternately forwards (F) and backwards (R), during which forward (F)-motion the dishes (11) to be washed are arranged to be moved along with the first conveyor ($5a$)-relative to the at least one washing zone; ($2, 3, 4$), characterized in that the tunnel dishwasher (1) comprises, in addition to a first conveyor ($5a$), and

at least a second conveyor ($5b$), arranged to move in the opposite direction relative to the first conveyor ($5a$) in such a way that the first and the second conveyor ($5a, 5b$) are arranged to convey the dishes (11) to be washed alternately forwards (F).

4. (Currently Amended) A tunnel dishwasher according to claim 3, characterized in that it comprises further comprising:

one power unit ($12, 12a, 12b$), arranged to move both the first and the second conveyor ($5a, 5b$) forwards and backwards (F, R).

5. (Currently Amended) A tunnel dishwasher according to claim 3 or 4, characterized in that it comprises further comprising:

a lever (20) which is by its first end (22), turnably attached to the first conveyor at a first end (5a) and by its second end (23), turnably attached to the second conveyor at a second end, (5b) and which is further turnably attached at a by its middle point turnably to the dishwasher frame (25) in such a way that when the first conveyor (5a) is moving in one direction, the second conveyor (5b) is forced to move in the opposite direction; and

that a power unit, adapted to (12, 12a, 12b) moving the conveyor (5a, 5b) reciprocatingly forwards and backwards (F, R) is and connected to one of the conveyors (5a, 5b).

6. (Currently Amended) A tunnel dishwasher according to claim 3, characterized in that it comprises comprising:

two power units (12, 12a, 12b), both of which are arranged to move at least one conveyor (5a, 5b).

7. (Currently Amended) A tunnel dishwasher according to claim 3, further characterized in that it comprises comprising at least least a third conveyor, wherein the at least three conveyors (5a, 5b) are arranged to move forwards and backwards at different phases relative to each other.

8. (Currently Amended) A tunnel dishwasher according to any one of claims claim 4 to 6, wherein characterized in that the power unit (12, 12a, 12b) is an electric motor.

9. (Currently Amended) A tunnel dishwasher according to any one of claims claim 4 to 6, characterized in that wherein the power unit (12, 12a, 12b) is a pneumatic actuator.

10. (Currently Amended) A tunnel dishwasher according to any one of claims claim 4 to 6, wherein characterized in that the power unit (12, 12a, 12b) is a hydraulic actuator.

11. (Currently Amended) A tunnel dishwasher according to ~~any one of claims~~
~~claim 3 to 10, characterized in that wherein~~ the first conveyor (~~5a~~) is provided with
turnable hooks (~~7~~) which move the dishes (~~11~~) to be washed forwards, and the second
conveyor (~~5b~~) is provided with a surface the friction of which moves the dishes (~~11~~)
to be washed forwards.

12. (New) A tunnel dishwasher according to claim 4, further comprising:
a lever, turnably attached to the first conveyor at a first end, turnably attached
to the second conveyor at a second end, and turnably attached at a middle point to the
dishwasher frame in such a way that when the first conveyor is moving in one
direction, the second conveyor is forced to move in the opposite direction; and
a power unit, adapted to move the conveyor reciprocatingly forwards and
backwards and connected to one of the conveyors.

13. (New) A tunnel dishwasher according to claim 5, wherein the power unit is an
electric motor.

14. (New) A tunnel dishwasher according to claim 5, wherein the power unit is a
pneumatic actuator.

15. (New) A tunnel dishwasher according to claim 5, wherein the power unit is a
hydraulic actuator.

16. (New) A tunnel dishwasher according to claim 6, wherein the power unit is an
electric motor.

17. (New) A tunnel dishwasher according to claim 6, wherein the power unit is a
pneumatic actuator.

18. (New) A tunnel dishwasher according to claim 6, wherein the power unit is a
hydraulic actuator.

19. (New) A tunnel dishwasher according to claim 12, wherein the power unit is an electric motor.

20. (New) A tunnel dishwasher according to claim 12, wherein the power unit is a pneumatic actuator.

21. (New) A tunnel dishwasher according to claim 12, wherein the power unit is a hydraulic actuator.

22. (New) A tunnel dishwasher according to claim 4, wherein the first conveyor is provided with turnable hooks which move the dishes to be washed forwards, and the second conveyor is provided with a surface the friction of which moves the dishes to be washed forwards.

23. (New) A tunnel dishwasher according to claim 7, wherein the first conveyor is provided with turnable hooks which move the dishes to be washed forwards, and the second conveyor is provided with a surface the friction of which moves the dishes to be washed forwards.